



U.S. Army Garrison Aberdeen Proving Ground

# Energy Program 2007

## Vision and Goals

*APG will minimize energy use, water consumption, and cost; while striving to reduce reliance on non-renewable energy resources. All operational mission requirements will be met while providing quality working and living conditions for APG personnel and families.*

December 9, 2007





# Energy Program Goals

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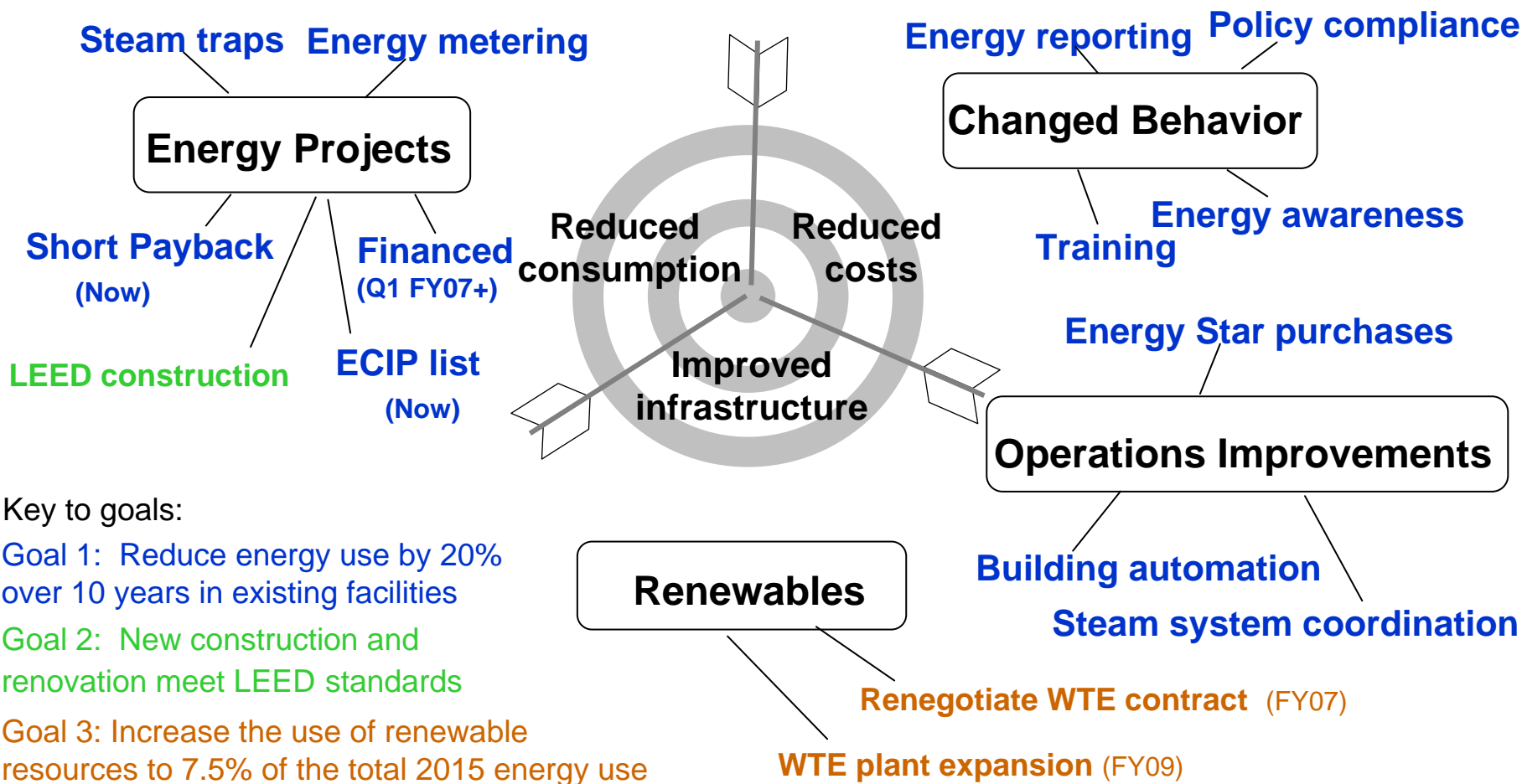
1. Reduce energy use by 20% over 10 years in existing facilities.
2. New construction and renovation will meet LEED standards for energy use.
3. Increase the use of renewable resources to 7.5% of the total 2015 energy use.
4. Implement 80% of the DoE's water "best management practices" by 2010.
5. Operate the Installation to support mission requirements during an emergency .
6. Reduce the amount of non-renewable fuels by 7.5% in the Garrison's fleet of vehicles.





# 2007 Energy Program

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# 2007 Energy Program Tactics

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- Short term DIO focus
  - List of all known projects – ECIP
  - Projects where costs now are fully recovered in FY07
  - Building tuning, boiler time controls
  - REM for steam and controls
- Energy Reporting
  - Database update and automated reporting/ tenant cost allocation
  - Monthly consumption and billing analyses
- Energy Savings Projects
  - Huntsville/JCI Energy Saving Performance Contract
    - ◆ Metering as first stage, controls for steam systems phase 2. Task Orders by March.
- Waste To Energy Plant Expansion and Contract Renegotiation
  - 1200 ton per day capacity increase
  - Fix steam issues – outsource and fix lines/traps by next heating season
- Energy Awareness Campaign and Training
- Procurement
  - Optimize PEPCO electric contract





# APG/JCI Energy Projects Plan

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## USACE ESPC process

